

## Which Column Coupler do You Recommend for Pairing HPLC Columns with Guard Columns- Tech Information

Date: 9-MAY-2023 Last Updaed: 8-NOVEMBER-2025

The ARE-Applied Research™ brand of column couplers are used to connect the flow of two HPLC columns or a guard column and an analytical column directly in series.

Below is our recommended selection chart to match your flow rate and a suggested union-column coupler (ID). The ID of the coupler should be determined based on your application, where the faster the flow, the larger the bore (ID) is needed.

Flow rate <i>(milliliters / minute)</i>	Through Hole <i>(mm)</i>	Through Hole <i>(inch)</i>	Column Coupler <i>Cat. No.</i>
up to 0.5	0.13	0.005	<a href="#">47450-01</a>
≤1.0	0.18	0.007	<a href="#">47450-02</a>
1.0 - 2.0	0.25	0.010	<a href="#">47450-03</a>
≥2.0	0.50	0.020	<a href="#">47450-04</a>

ARE-APPLIED RESEARCH™